

PLAN VIEW

Manhole ring and cover
with locking bolts,
marked "DRAIN"

Set overflow elevation—
to provide detention and
oil separation as shown
in the Contract

Pipe support —————
75 mm x 2.0 mm
aluminum or 2.0 mm steel
(see Note 1)

300 mm MIN →

Mortar (TYP)
Restrictor/Separator —

Restrictor plate
with orifice
(see Note 6)

SECTION A-A

Removable watertight coupling

Plate with orifice

ELBOW DETAIL

LIFT HANDLE DETAIL

Steps or ladder

- Lift handle

- Shear gate
200 mm MIN DIA

11

Inlet

Level line—

FRONT

SHEAR GATE

SIDE

MAXIMUM OPENING
OF GATE DETAIL

- Adjustable lock hook with lock screw

- 25 mm Rod or tubing

NOTES

1. Pipe supports and restrictor/separator shall be constructed of the same material and be anchored at a maximum spacing of 900 mm. Attach pipe supports to manhole with 16 mm stainless steel expansion bolts or embed supports into manhole wall 50 mm.
2. The vertical riser stem of the restrictor/separator shall be the same diameter as the horizontal outlet pipe with a minimum diameter of 200 mm.
3. The flow restrictor/separator shall be fabricated from one of the following materials:
1.5 mm Corrugated Aluminum Alloy Drain Pipe
1.6 mm Corrugated Galvanized or Aluminized Steel Drain Pipe
1.5 mm aluminum alloy flat sheet, in accordance with ASTM B 209M, 5052 H32 or EPS
Galvanized steel shall have Treatment 1.
4. Frame and ladder or steps are to be offset so that:
Shear gate is visible from the top; climb-down space is clear of riser and gate; frame is clear of curb.
5. Multi-orifice elbows may be located as shown or all on one side of riser to assure ladder clearance.
Size of elbows and placement to be specified in the Contract.
6. Restrictor plate with orifice as specified in the Contract. Omit plate if for oil pollution control only.
Opening is to be cut round and smooth.
7. Shear gate shall be made of aluminum alloy in accordance with ASTM B 26M and ASTM B 275, designation Z3632A or cast iron in accordance with ASTM A 48, Class 30B.
Lift handle may be solid rod or hollow tubing with adjustable hook as required.
Neoprene rubber gasket required between riser mounting flange and gate flange.
Mating surfaces of lid and body shall be machined for proper fit.
Flange mounting bolts shall be 10 mm diameter stainless steel.
8. Shear gate maximum opening shall be controlled by limited hinge movement, stop tab or some other device.
9. Alternate shear gate designs are acceptable, if material specifications are met and flange bolt pattern matches.

ALL DIMENSIONS ARE IN MILLIMETERS
UNLESS OTHERWISE NOTED

**CATCH BASIN TYPE 2
WITH FLOW RESTRICTOR
-OIL SEPARATOR**